Emission Summary

Permit Number: 070815

Source Status: New☒ Modification☐ Expansion☐ Relocation☐ **Permit Status:** New☒ Renewal☐

PSD☐ NSPS☒ NESHAPs☒ **Previous Permit Number:** Construction 970242P Operating _____

	Pounds/Hour			Tons/Year				Date of Data	*	Applicable Standard
	Actual	Potential	Allowable**	Actual	Potential	Allowable	Net Chg			
PM	≤ allowable		0.072	≤ allowable	0.018	0.018	-	1		40 CFR §60.4205(b)
SO_2		neg	--		neg	--	-	2		1200-03-14-.03(5)
CO	≤ allowable		1.2	≤ allowable	0.153	0.298	-	1		40 CFR §60.4205(b)
VOC***	≤ allowable		Included with NOX	≤ allowable		Included with NOX	-	1		40 CFR §60.4205(b)
NO_x***	≤ allowable		0.954	≤ allowable	0.176	0.238	-	1		40 CFR §60.4205(b)
HAPs					neg	--		3		
CO2e					41.5	--	-	5		

The SO_2 emissions were calculated using 15 ppm sulfur content of the fuel (NSPS requirement), assuming all available sulfur is converted to SO_2, and shown to be negligible.
HAPs emissions were calculated from AP-42, Table 3.3-2, and shown to be negligible.
CO_2e emissions were calculated using the emission factors in 40 CFR 98, Tables C-1 and C-2.

The ton per year emissions were calculated at 500 hours of operation / year based on the guidance found in the Seitz memo regarding the PTE determination for emergency engines. Allowable emissions for fee purposes are equal to the potential emissions.

* Source of data codes are found on the back of the APC 100.

** The allowable emission limits from 40 CFR Part 60 Subpart IIII are in units of grams/kilowatt-hour. Each standard was reduced to lb/hr using the engine power output, in kilowatts, and a conversion factor of 453.592 gram per pound.

*** The applicable standard in §60.4205(b) & §89.112, Table 1 is in terms of NO_x + NMHC; therefore, the allowable VOC emissions are accounted for in NO_X

PERMITTING PROGRAM: rjb DATE: 09.09.2016